

UTILITY PATENT APPLICATION TRANSMITTAL
(Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
2/1206US

Total Pages in this Submission
4

TO THE COMMISSIONER FOR PATENTS

Mail Stop Patent Application
P.O. Box 1450
Alexandria, VA 22313-1450

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

22278 U.S. PTO
10/723543
112603

SYSTEMS AND METHODS FOR SUPERCRITICAL WATER REFORMATION OF FUELS AND GENERATION OF HYDROGEN USING SUPERCRITICAL WATER

and invented by:

John Wootton
Sunggyu Lee
Asdrubal Garcia-Ortiz

If a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:

Continuation Divisional Continuation-in-part (CIP) of prior application No.: _____

Which is a:

Continuation Divisional Continuation-in-part (CIP) of prior application No.: _____

Which is a:

Continuation Divisional Continuation-in-part (CIP) of prior application No.: _____

Enclosed are:

Application Elements

1. Filing fee as calculated and transmitted as described below

2. Specification having 25 pages and including the following:
 - a. Descriptive Title of the Invention
 - b. Cross References to Related Applications (*if applicable*)
 - c. Statement Regarding Federally-sponsored Research/Development (*if applicable*)
 - d. Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix
 - e. Background of the Invention
 - f. Brief Summary of the Invention
 - g. Brief Description of the Drawings (*if filed*)
 - h. Detailed Description
 - i. Claim(s) as Classified Below
 - j. Abstract of the Disclosure

UTILITY PATENT APPLICATION TRANSMITTAL
(Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
2/1206US

Total Pages in this Submission
4

Application Elements (Continued)

3. Drawing(s) (*when necessary as prescribed by 35 USC 113*)
 - a. Formal Number of Sheets 2
 - b. Informal Number of Sheets _____
4. Oath or Declaration
 - a. Newly executed (*original or copy*) Unexecuted
 - b. Copy from a prior application (37 CFR 1.63(d)) (*for continuation/divisional application only*)
 - c. With Power of Attorney Without Power of Attorney
 - d. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. Incorporation By Reference (*usable if Box 4b is checked*)
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)
7. Application Data Sheet (See 37 CFR 1.76)
8. Nucleotide and/or Amino Acid Sequence Submission (*if applicable, all must be included*)
 - a. Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. Paper
 - c. Statement(s) Verifying Identical Paper and Computer Readable Copy

Accompanying Application Parts

9. Assignment Papers (*cover sheet & document(s)*)
10. 37 CFR 3.73(B) Statement (*when there is an assignee*)
11. English Translation Document (*if applicable*)
12. Information Disclosure Statement/PTO-1449 Copies of IDS Citations
13. Preliminary Amendment
14. Return Receipt Postcard (MPEP 503) (*Should be specifically itemized*)
15. Certified Copy of Priority Document(s) (*if foreign priority is claimed*)
16. Certificate of Mailing
 First Class Express Mail (*Specify Label No.*): ER467898303US

UTILITY PATENT APPLICATION TRANSMITTAL
(Large Entity)

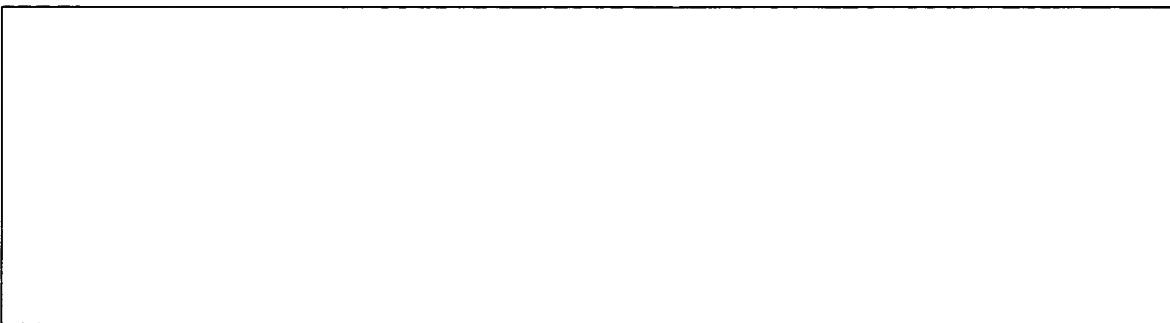
(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
2/1206US

Total Pages in this Submission
4

Accompanying Application Parts (Continued)

17. Additional Enclosures (*please identify below*):



Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)

18. Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

Warning

An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

UTILITY PATENT APPLICATION TRANSMITTAL
(Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
2/1206US

Total Pages in this Submission
4

Fee Calculation and Transmittal

CLAIMS AS FILED

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	26	- 20 =	6	x \$18.00	\$108.00
Indep. Claims	3	- 3 =	0	x \$86.00	\$0.00
Multiple Dependent Claims (check if applicable)	<input type="checkbox"/>				\$0.00
				BASIC FEE	\$770.00
OTHER FEE (specify purpose)					\$0.00
				TOTAL FILING FEE	\$878.00

A check in the amount of \$878.00 to cover the filing fee is enclosed.

The Director is hereby authorized to charge and credit Deposit Account No. as described below.

- Charge the amount of _____ as filing fee.
- Credit any overpayment.
- Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
- Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

Signature

Dated: November 26, 2003

Kirk A. Damman
Lewis, Rice & Fingersh, LC
Box IP Department
500 N ~~r~~th Broadway, Suite 2000
St. Louis, MO 63102

cc:

112603

16085 U.S. PTO

PTO/SB/17 (10-03)

Approved for use through 07/31/2006. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		
TOTAL AMOUNT OF PAYMENT	(\\$)	\$878.00

Complete if Known

Application Number	TBA
Filing Date	November 26, 2003
First Named Inventor	John Wootton, et al.
Examiner Name	TBA
Art Unit	TBA
Attorney Docket No.	2/1206US

METHOD OF PAYMENT (check all that apply)

Check Credit card Money Order Other None
 Deposit Account:

Deposit Account Number: _____
 Deposit Account Name: _____

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) or any underpayment of fee(s)
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION (continued)

3. ADDITIONAL FEES				Fee Description	Fee Paid
Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	_____
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	_____
1053	130	1053	130	Non - English specification	_____
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	_____
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	_____
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	_____
1251	110	2251	55	Extension for reply within first month	_____
1252	420	2252	210	Extension for reply within second month	_____
1253	950	2253	475	Extension for reply within third month	_____
1254	1,480	2254	740	Extension for reply within fourth month	_____
1255	2,010	2255	1,005	Extension for reply within fifth month	_____
1401	330	2401	165	Notice of Appeal	_____
1402	330	2402	165	Filing a brief in support of an appeal	_____
1403	290	2403	145	Request for oral hearing	_____
1451	1,510	1451	1,510	Petition to institute a public use proceeding	_____
1452	110	2452	55	Petition to revive - unavoidable	_____
1453	1,330	2453	665	Petition to revive - unintentional	_____
1501	1,330	2501	665	Utility issue fee (or reissue)	_____
1502	480	2502	240	Design issue fee	_____
1503	640	2503	320	Plant issue fee	_____
Total Claims	26 -20** = 6 X 18.00 = 108.00				
Independent Claims	3 - 3** = 0 X 86.00 = 0.00				
Multiple Dependent					
Large Entity	Small Entity	Fee Description			
Fee Code (\$)	Fee Code (\$)				
1202	18	2202	9	Claims in excess of 20	_____
1201	86	2201	43	Independent claims in excess of 3	_____
1203	290	2203	145	Multiple dependent claim, if not paid	_____
1204	86	2204	43	** Reissue independent claims over original patent	_____
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent	_____
SUBTOTAL (1)	(\\$)	\$770.00			
2. EXTRA CLAIM FEES FOR UTILITY AND					
Extra Claims		Fee from below	Fee Paid		
Total Claims	26 -20** = 6	X 18.00	= 108.00		
Independent Claims	3 - 3** = 0	X 86.00	= 0.00		
Multiple Dependent			=		
Large Entity	Small Entity	Fee Description			
Fee Code (\$)	Fee Code (\$)				
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	_____
1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))	_____
1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))	_____
1801	770	2801	385	Request for Continued Examination (RCE)	_____
1802	900	1802	900	Request for expedited examination of a design application	_____
Other fee (specify) _____					
*Reduced by Basic Filing Fee Paid				SUBTOTAL (3) (\\$)	

**or number previously paid, if greater; For Reissues, see above

SUBMITTED BY**Complete (if applicable)**

Name (Print/Type)	Kirk A. Damman	Registration No. (Attorney/Agent)	42,461	Telephone	314-444-7783
Signature				Date	November 26, 2003

WARNING: Information in this form may become public. Credit card information should not be included in this form. Provide credit card information and authorization on

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)

Applicant(s): John Wootton, Sunggyu Lee and Asdrubal Garcia-Ortiz

Docket No.

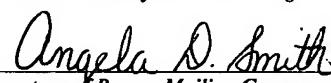
2/1206US

Serial No.
TBAFiling Date
November 26, 2003Examiner
TBAGroup Art Unit
TBAInvention: **SYSTEMS AND METHODS FOR SUPERCRITICAL WATER REFORMATION OF FUELS AND GENERATION OF HYDROGEN USING SUPERCRITICAL WATER**

I hereby certify that the following correspondence:

Utility Patent Application (25 pgs, 2 drawing sheets), Utility Patent App Transmittal, Unexecuted Declaration, Fee Transmittal, ck# 15102 (\$878), certificate of express mailing and acknowledgement p/c*(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

November 26, 2003*(Date)*Angela D. Smith*(Typed or Printed Name of Person Mailing Correspondence)**(Signature of Person Mailing Correspondence)*ER467898303US*("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**